

[12] Patent Application Publication Specification**[21] Application No.:** 03114042.4**[43] Publication Patent Date:** November 19, 2003**[11] Publication No.:** CN 1456353A**[22] Application Date:** March 31, 2003**[21] Application No.:** 03114042.4**[74] Patent Agency:** Guangzhou Sanhuan Patent Agency Co., Ltd.
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Ltd**[72] Inventors:** Zhibin YaoNumber of pages of claims: 2
Number of pages of specifications: 11
Number of pages of drawings attached: 0**[54] Name of the Invention**A vaccine against senile dementia and thereof
preparation method**[57] Abstract**

The present invention relates to a vaccine against senile dementia and thereof preparation method, which comprises at least a synthesized artificially peptide that contains A β ₄₂ neutralizing epitope and is conjugated to protein or peptide carriers. The preparation method comprises the following steps: (1) synthesize artificially at least a peptide strand containing A β ₄₂ neutralizing epitope; (2) conjugate respectively the above said peptide to protein or peptide carrier to form conjugate, the conjugates are incubated for aging; (3) add compatible adjuvant to the above said conjugate to prepare A β ₄₂ subunit vaccine against senile dementia. The invention not only removes the common toxic fragment from the vaccine, and improves the vaccine stricture and increases the immunogenicity, but also retains the effective antigenic determinants.

ISSN 1008-4274

Intellectual Property Press